

ECS Configuration Change Request

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Page(s)

1. Originator Jenny Boliek	2. Log Date: 11/12/02	3. CCR #: 02-0999	4. Rev:	5. Tel: 301-925-1122	6. Rm #: 2058	7. Dept. SE
8. CCR Title: TE_6A.06_STMGT.08						
9. Originator Signature/Date /s/ Jenny Boliek 11/12/02			10. Class II	11. Type: CCR	12. Need Date: 11/12/02	
13. Office Manager Signature/Date /s/ Arthur Cohen 11/12/02			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted (<i>Review and submit checklist</i>): None			17. Schedule Impact:		18. CI(s) Affected: STMGT	
19. Release Affected by this Change: 6A		20. Date due to Customer: Nov 12. 2002		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: See list of NCRs listed below. Primary driver for the is CCR is installation of the code for NCR 34767.						
23. Problem: (use additional Sheets if necessary) The NCRs are listed on page 2 of this document. The Primary driver is: NCR 34767 - Browse removed from AMASS archive without explanation						
24. Proposed Solution: (use additional sheets if necessary) Provide TE_6A.06_STMGT.08 to EDC DAAC. TE MUST be installed on top of the Patch_6A.06_EOC.01A and TE_6A.06_STMGT.05 (YOU MUST NOT SKIP TE_6A.06_STMGT.05)						
25. Alternate Solution: (use additional sheets if necessary) Leave problems until next DSS Patch delivered to DAAC. (Note this version of STMGT will be delivered at the DAACs in Patch_6A.07_DSS.01.)						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) EDC will not have the STMGT fixes for NCRs listed. They will not be able to ensure new granules stored in the archive are accessible by the code in a read only fashion.						
27. Justification for Emergency (If Block 15 is "Emergency"): EDC requested TE to fix NCRs listed above.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:				30. Work Assigned To:	31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): /s/ Randall J. Miller 11/12/02		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): /s/ Pamela Johnson 11/12/02		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

ADDITIONAL SHEET

CCR #: 02-0999 **Rev: - Originator:** Jenny Boliek

Telephone: 301-925-1122 **Office:** 2058

Title of Change: TE_6A.06_STMGT_08

Actions

ClearCase Group (CSG)

Please build one SOL8 tar file with the following packages:

.EcDsStMediaIngest.pkg
.EcDsStGUI.pkg
.EcDsStRequestManager.pkg

Please build an IRIX65 tar file with the following packages:

.EcDsStArchive.pkg
.EcDsStDatabase.pkg
.EcDsStIngestFtp.pkg
.EcDsStPullMonitor.pkg

Please name these tar files TE_6A.06_STMGT.08

9 NCRs will be included in this delivery for EDC only.

ECsed34765 2 T NSIDC DAAC 6A.06 StagingDisk server cored
ECsed34447 2 V EDC DAAC It is possible to get a 0 length file in RO Cache
ECsed34917 2 T NSIDC DAAC 6A.06 TS1 FtpServer on n0drg01 cored during test
ECsed34767 2 T EDC DAAC Browse removed from AMASS archive without explanation
ECsed35554 5 C EDF Remove D3 Ingest from OPS Install
ECsed35712 2 T EDF Analyse all fdopens and ensure closure on failure

The following NCRs were delivered to GSFC in TE_6A.06_STMGT.07A:

ECsed35051 2 T GSFC DAAC GSFC/SMC: StRequestManager cored in OPS
ECsed34512 2 T GSFC DAAC OPS_STMGT 2 M GSFC DAAC GSFC/SMC: Need Support on FtpPull Monitor
Configuration/Statistics
ECsed35443 2 R PVC OPS_DBDM 2 R PVC Ddist blocked by Archive Table Cleanup Proc

NCR 35051 was previously delivered as Engineering Software. It was then merged and will now be officially delivered.

DAAC INSTALL INSTRUCTIONS:

PATCH/TE DEPENDENCIES: TE_6A.06_STMGT.08 replaces all of STMGT. The only requirement is the DAAC MUST have installed Patch_6A.06_EOC.01A and TE_6A.06_STMGT.05 (The STMGT database should be patched up to database patch number 6265 before installing this patch.) TE_6A.06_STMGT.08 will replace all previous Patch, TE and/or Engineering Software for STMGT. TE_6A.06_STMGT.06 and TE_6A.06_STMGT.07A can be skipped.

NOTE: AFTER INSTALLATION OF TE_6A.06_STMGT.08, ALL FILES WRITTEN TO THE ARCHIVE WILL BE WRITTEN WITH READ ONLY PERMISSIONS. THE GRANULE DELETION SCRIPTS WILL CHANGE THE PERMISSION OF THE FILES TO READ/WRITE BEFORE PHYSICALLY DELETING THE GRANULES FROM THE ARCHIVE.

PREINSTALLATION

1. cp *sun5.8* <staging_area>/SOL8
2. cp *irix65* <staging_area>/IRIX65
3. Untar the files using the *Setup.ksh files.
4. cd <staging_area>/IRIX65/CUSTOM/dbms/
5. chmod -R 775 *
6. Kill all STMGT servers on all hosts and the STMGT GUI.

INSTALLATION:

1. Bring up E.A.S.I on the e0dis02 and install all of the packages listed above

NOTE: The D3 Server installation is no longer included in the .EcDsStMediaIngest.pkg.

CONFIGURATION:

1. Exit out of the E.A.S.I and bring up the EcsAssist Subsystem Manager on e0dis02.
2. Using EcsAssist Subsystem Manager install the /usr/ecs/<MODE>/CUSTOM/.installed/DSS/stmgt/.rgypatch. This will add two new parameters to all the EcDsStCacheManagers and the EcDsStPullMonitorServer. These new parameters are:

TransferRetentionDays -- The default value is set to 3 (days). This value is not used at this time.
CompletionStatusRelevant - The default value is set to false. This value is required as this time.
(This has to be set to the default in case a user uses compression when he pulls files.)

3. Bring up the STMGT GUI
4. Click on the Storage Config tab
5. Click CACHE MANAGER to display a list of Cache Managers
6. From the list of Cache Managers listed click on EcDsStCacheManagerServerPULL and then click on Modify Server button.
7. In the window for FTP Notification File insert the name of the directory and file of the log where FTP writes.

IMPORTANT NOTE: THIS USED TO BE ONLY A DIRECTORY NAME. NOW IT IS BOTH THE DIRECTORY NAME AND FILENAME.

Recommended value until WU FTP COTS is delivered: add FtpPullNotify.dat filename to the current directory
After WU FTP is installed at the DAAC the value should be: /var/log/xferlog.

IMPORTANT NOTE: MAKE SURE WHICH EVER VALUE IS CONFIGURED, THAT THIS IS A VALID DIRECTORY NAME, the FILENAME DOES NOT HAVE TO BE VALID.

8. Set the value of the FTP Notification Freq (Sec). This is the number of seconds between times the EcDsStPullMonitorServer will read the log set in step 7. After WU FTP is installed, the recommended value is 1800 (every 30 minutes). Before WU FTP is installed the recommended value does not really matter as all that will happen is the directory will be checked and no information will be in the log.

After WU FTP it installed, when the Pull Monitors finds a filename in xferlog and that file is in the Pull Area the Pull Monitor will mark that file available for deletion. The file will be deleted at the current expiration time or 8 hours from when the file is listed in the log, whichever comes first.

DATABASE PATCHES

1. Logon to the host where the STMGT DB package is installed (e0acg11)
2. Bring up EcsAssist Subsystem Manager and patch the Database to Patch 6273. (REMEMBER, the STMGT database must be at least at Patch 6265 BEFORE the database is patched)

Two or three Patches will be executed. They are:

Patch 6268 -- Fixes for NCRs 35501 and 35695 This updates the following stored procedures. (If TE_6A.06_STMGT.06 is already installed, then this database patch 6368 will already be in the database. There is no need to re-install this patch if it already exists in the database.)

- DsDtGrRequestCompleted
- DsStCMDeleteExpiredLiens
- DsStCMSelectExpiredLiens
- DsStCMPeriodic

Patch 6271 -- Fixes for NCR 34512 (WU FTP) This updates the following stored procedure:

- DsStCMCleanupOrSleep

Patch 6273 -- Fixes for NCR 35448 -Updates the following stored procedures:

- DsStRMDeleteDdistArchiveTables
- DsStRMDeleteDdistArchive

There are no schema changes associated with any of the database patches.

When you run the Database patches you will see the following message in the EcsAssist window:

Msg 208, Level 16, State 2:

Line 39:

DsStGrCITempGR not found. Specify owner.objectname or use sp_help to check whether the object exists (sp_help may produce lots of output).

This is not an ERROR. This happens because this table is owned by EcDsStRequestManager instead of the DBO. This has already been documented in NCR ECSed35944.

POST INSTALLATION

1. Do the following steps after logging on to each host where the EcDsStCacheManger or the EcDsStFtpServer is installed (e0icg11, e0acg11, e0drg11, e0drg12, e0wkg01):

- a. cd /usr/ecs/<MODE>/CUSTOM/cfg
- b. ls -l SLCsocks5.conf*
- c. Determine the copy of the SLCsocks5.conf that contains the correct firewall information (usually you can tell by size)
- d. cp the correct verions of the SLCsocks5.conf.<time_stamp> SLCsock5.conf.

2. Bring up all the STMGT servers and the STMGT GUI if desired.

3. Log on to the e0dis02 host and delete the files associated with the EcDsStD3Server

- a. cd /usr/ecs/<MODE>/CUSTOM/utilities
- b. rm *D3*
- c. cd /usr/ecs/<MODE>/CUSTOM/bin/DSS
- d. rm EcDsStD3Server
- e. cd /usr/ecs/<MODE>/CUSTOM/.installed/DSS/stmgt
- f. rm .*D3*

4. Do the following steps on every host where the EcDsStCacheManager is installed (Optional)

- a. Bring up EcsAssist Subsystem Manager
- b. Run the Mkcfg for EcDsStCacheManager
- c. On e0acg11 also run the Mkcfg for EcDsStPullMonitorsServer
- d. Exit out of EcsAssist Subsytem Manager
- e. cd /usr/ecs/<MODE>/CUSTOM/cfg
- f. Copy the EcDsSt*.CFG files to EcDsSt*.CFG.rgy files